Trigonometry Quiz

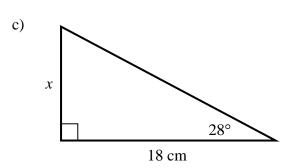
Level 1 – 2

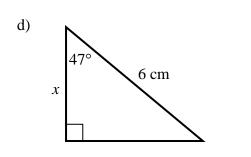
1. Find the missing length:

a) x 34° 10 cm

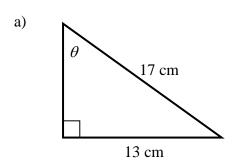
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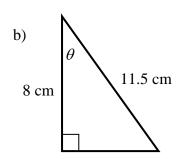
b) 22° 11 cm

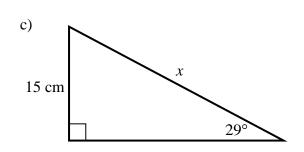


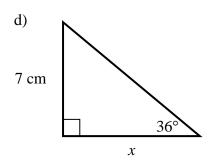


2. Find the missing length or angle

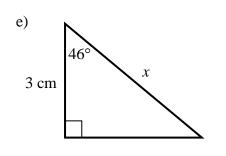








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3.	An isosceles triangle has two sides of the third side.	length 10 cm and two angles of 70°. Determine the length of
4.	Use the definition of sine to explain v	why the sine of an angle can never be greater than 1.
5.	Determine the largest angle in an isos	celes triangle with sides of length 12 cm, 12 cm and 16 cm.
6.	Peter leaves his house and walks nort	h for 6 km and then northwest for 4 km. Determine how far he
	is from his home.	

shown in the diagram.	a) Determine the area of the octagon.
circle of radius 1 cm fits. V sides of the polygon.	Write your answer in terms of n , where n represents the number of
	ne area of the polygon.
c) If $n = 10000$, determine the	ne area of the polygon.
e) If $n = 10000$, determine the	ne area of the polygon. your answer to part c)? Explain.
e) If $n = 10000$, determine the	
e) If $n = 10000$, determine the	

8. Bob the beagle is tied to the fence with a rope of length 4 m. As shown in the diagram. In the corner of the garden there is a shed. Calculate the area of the garden where Bob is free to roam.

